

IN THE CLAIMS:

Please add the following new claims:

Sub C2
19. (New) The controller according to claim 10, wherein the switching function of the controller is arranged to switch between input voltages applied to the signal input and the signal output

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20. (New) A programmable controller, comprising:
a processing unit;
a display screen;
an operator unit including a button switchable to an active button in accordance with a programmable function;
at least one signal input;
at least one signal output;
a common housing, the processing unit, the display screen, the operator unit, the signal input and the signal output accommodated in the common housing; and
an arrangement configured to program switching functions on the basis of predetermined function in accordance with a menu-assisted user interface on the display screen;
wherein a sequence of a switching function is dependent on operation of the button.

21. (New) A programmable controller, comprising:
processing means;
display means;
operating means including a button switchable to an active button in accordance with a programmable function;
at least one signal input;
at least one signal output;
a common housing, the processing means, the display means, the operating means, the signal input and the signal output accommodated in the common housing; and
means for programming switching functions on the basis of predetermined function in accordance with a menu-assisted user interface on the display means;
wherein a sequence of a switching function is dependent on operation of the button.